BLACK BOX
NETWORK SERVICES

Elite™ Cabinet & Rack Enclosures

Custom enclosures without the custom price

- Fully customizable for your specific applications
- Numerous cooling options
- Extensive cable management
- Optimum flexibility
- Lifetime guarantee

Get exactly what you need and want.

EC45U75100SMDS6YK

Robust cabinets for any application

More features.

The Elite Cabinet family from Black Box delivers more features and options than any other Black Box cabinet—more door and panel choices, more cable management, features like high-flow mesh on all mesh doors, and dual universal PDU mounting brackets.

Plus Elite Cabinets feature heavy-duty, welded steel construction and come with the protection of a lifetime Black Box® Double Diamond™ warranty. The cabinets arrive fully assembled and ready to populate.

More choices.

Elite Cabinets are specifically designed to be adaptable to your exact needs. Whether you need a high-airflow cabinet for your data center or a small, secure cabinet for an office, the Elite Cabinet family has exactly the cabinet for you.

Select a pre-configured cabinet or have one customized to your specifications and shipped in only two business days. Choose from a wide range of sizes to suit all your data and server cabinet needs. Our Tech Support experts will help you specify the cabinet you need—FREE of charge.

More cable management.

Cable management is easy—extensive cable knockouts on the top and sides provide convenient cable entry. The cabinets feature multiple lacedown points throughout. For even more cable management, add our Horizontal and Vertical Lacing Bars or Front-to-Back Cable Managers (pages 8–9).

More versatility.

Because Elite Cabinets come with a wide range of choices in frame sizes, doors, and top and side panels, they adapt to nearly any application.

Rails with M6 square holes are standard in all our Elite cabinets offered in Europe. They enable you to use vendor-supplied server rails that latch into the square holes to support servers, or to convert the square hole to a threaded M6 hole by using cage nuts.

Cabinet doors are available in solid, high-flow mesh, split high-flow mesh, smoked PLEXIGLAS®, or solid with fans. You also can choose a cabinet with no doors. Side panels can be solid or vented, or you can leave them off. All Elite Cabinets have our high-flow mesh, which improves airflow approximately 10% over typical cabinets.

Cabinet tops are customizable, too—choose a top panel with or without fans, or use the top opening to rackmount up to 12U of shallow components such as patch panels or power strips. For more information, call our FREE Tech Support.

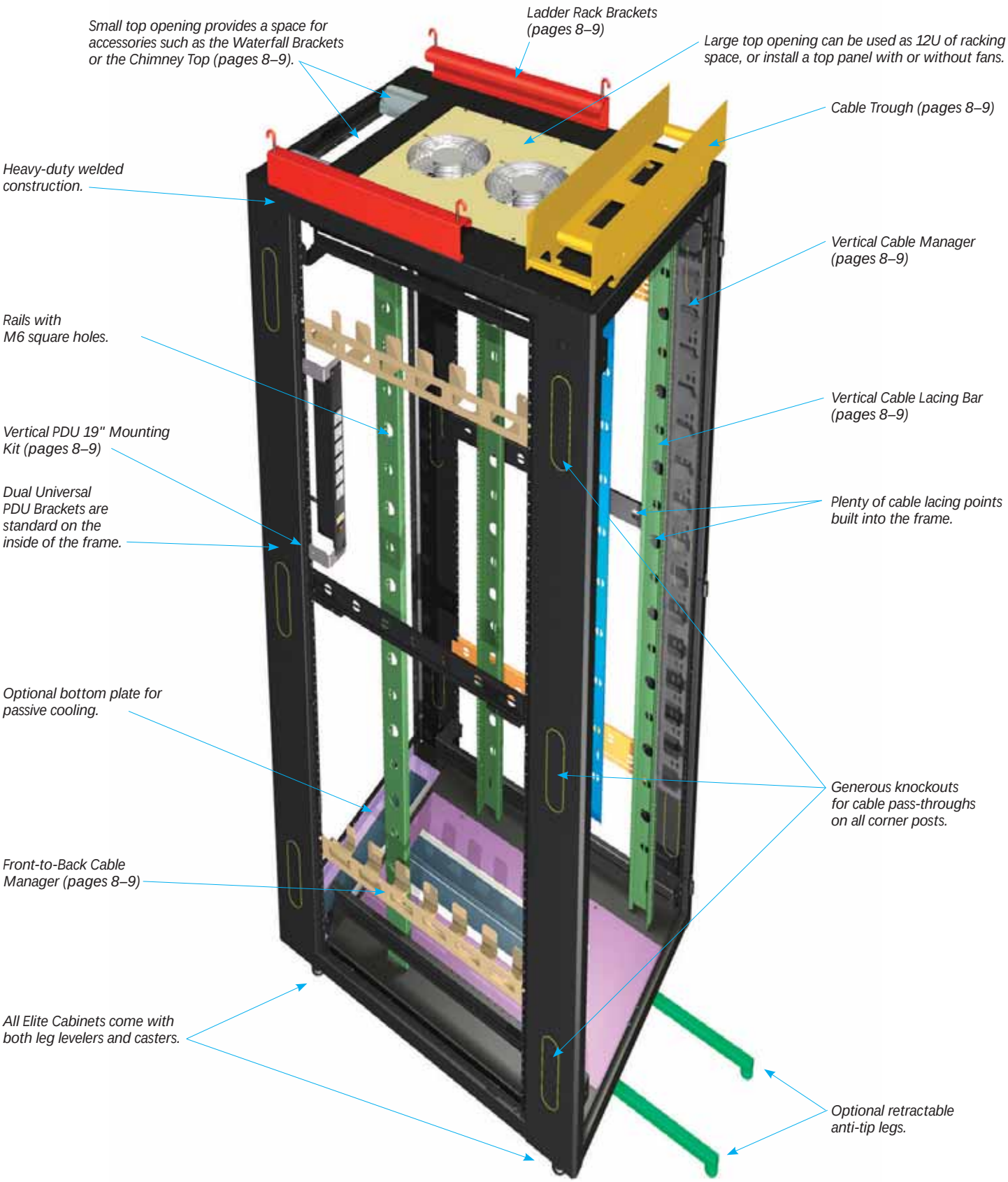
For data center installations, Elite Cabinets are Ladder Rack ready with the addition of the optional Ladder Rack Bracket (pages 8–9).

- ✦✦ **WARRANTY** — Lifetime

Protect your IT investments

Environmental monitoring is a cost-effective, proactive way to protect your investments from climate, overheating, theft, etc. Find out more at www.blackbox.nl or get FREE, live help at 030-2417799.

More features and options than any other Black Box cabinet.


Small top opening provides a space for accessories such as the Waterfall Brackets or the Chimney Top (pages 8–9).
Ladder Rack Brackets (pages 8–9)
Large top opening can be used as 12U of racking space, or install a top panel with or without fans.
Cable Trough (pages 8–9)
Heavy-duty welded construction.
Vertical Cable Manager (pages 8–9)
Rails with M6 square holes.
Vertical Cable Lacing Bar (pages 8–9)
Vertical PDU 19" Mounting Kit (pages 8–9)
Dual Universal PDU Brackets are standard on the inside of the frame.
Plenty of cable lacing points built into the frame.
Optional bottom plate for passive cooling.
Generous knockouts for cable pass-throughs on all corner posts.
Front-to-Back Cable Manager (pages 8–9)
All Elite Cabinets come with both leg levelers and casters.
Optional retractable anti-tip legs.

Most common cabinet configurations are ready to ship today.

These popular Elite Cabinet configurations are in stock and ready to ship now. Don't see what you need here? Just turn the page for details on customizing your cabinet to your exact specifications.

EC45U6090SMDSSNK: left: front view; right: rear view

EC45U6090SPDS3NK: front view

Item	Code
Elite™ Cabinets	
45U x 60-cm W x 90-cm D	
Mesh Front and Rear Doors, Solid Side Panels, Keyed Lock	
M6 Rails	
Mesh Top Panel	EC45U6090SMMSMNK
3-Fan Top Panel	EC45U6090SMMS3NK
6-Fan Top Panel	EC45U6090SMMS6NK
Mesh Front Doors, Split Mesh Rear Door, Solid Side Panels, Keyed Lock	
M6 Rails	
Mesh Top Panel	EC45U6090SMDSMNK
3-Fan Top Panel	EC45U6090SMDS3NK
6-Fan Top Panel	EC45U6090SMDS6NK

Item	Code
Elite Cabinets (Continued)	
45U x 60-cm W x 90-cm D (Continued)	
PLEXIGLAS® Front Door, Mesh Rear Door, Solid Side Panels, Keyed Lock	
M6 Rails	
Mesh Top Panel	EC45U6090SPMSMNK
3-Fan Top Panel	EC45U6090SPMS3NK
6-Fan Top Panel	EC45U6090SPMS6NK
PLEXIGLAS® Front Door, Split Mesh Rear Door, Solid Side Panels, Keyed Lock	
M6 Rails	
Mesh Top Panel	EC45U6090SPDSMNK
3-Fan Top Panel	EC45U6090SPDS3NK
6-Fan Top Panel	EC45U6090SPDS6NK
No Doors or Sides, Mesh Top Panel	
M6 Rails	EC45U6090SNNNMNN
45U x 60-cm W x 100-cm D	
Mesh Front and Rear Doors, Solid Side Panels, Keyed Lock	
M6 Rails, Mesh Top Panel, Anti-Tip Legs	EC45U60100SMMSMYK
Mesh Front Door, Split Mesh Rear Door, Solid Side Panels, Keyed Lock	
M6 Rails, Mesh Top Panel, Anti-Tip Legs	EC45U60100SMDSMYK

Item	Code
Elite™ Cabinets (Continued)	
45U x 75-cm W x 80-cm D	
PLEXIGLAS® Front Door, Mesh Rear Door, Solid Side Panels, Keyed Lock	
M6 Rails	
Mesh Top Panel	EC45U7580SPMSMNK
3-Fan Top Panel	EC45U7580SPMS3NK
6-Fan Top Panel	EC45U7580SPMS6NK
PLEXIGLAS Front Door, Split Mesh Rear Door, Solid Side Panels, Keyed Lock	
M6 Rails	
Mesh Panel	EC45U7580SPDSMNK
3-Fan Top Panel	EC45U7580SPDS3NK
6-Fan Top Panel	EC45U7580SPDS6NK
45U x 75-cm W x 90-cm D	
PLEXIGLAS Front Door, Mesh Rear Door, Solid Side Panels, Keyed Lock	
M6 Rails	
Solid Top Panel	EC45U7590SPMSSNK
Mesh Top Panel	EC45U7590SPMSMNK
3-Fan Top Panel	EC45U7590SPMS3NK
6-Fan Top Panel	EC45U7590SPMS6NK
PLEXIGLAS Front Door, Split Mesh Rear Door, Solid Side Panels, Keyed Lock	
M6 Rails	
Mesh Top Panel	EC45U7590SPDSMNK
Solid Top Panel	EC45U7590SPDSSNK
3-Fan Top Panel	EC45U7590SPDS3NK
6-Fan Top Panel	EC45U7590SPDS6NK
45U x 75-cm W x 100-cm D	
Mesh Front and Rear Doors, Solid Side Panels, Keyed Lock	
M6 Rails, Mesh Top Panel, Anti-Tip Legs	EC45U75100SMMSMYK
Mesh Front Door, Split Mesh Rear Door, Solid Side Panels, Keyed Lock	
M6 Rails, Mesh Top Panel, Anti-Tip Legs	EC45U75100SMDSMYK
42U x 75-cm W x 100-cm D	
Mesh Front and Rear Doors, Solid Side Panels, Keyed Lock	
M6 Rails	
Mesh Top Panel	EC42U75100SMMSMNK
PLEXIGLAS Front Door, Mesh Rear Door, Solid Side Panels, Keyed Lock	
M6 Rails	
Mesh Top Panel	EC42U75100SPMSMNK
6-Fan Top Panel	EC42U75100SPMS6NK
Mesh Front Door, Split Mesh Rear Door, Solid Side Panels, Keyed Lock	
M6 Rails	
Mesh Top Panel	EC42U75100SMDSMNK
PLEXIGLAS Front Door, Split Mesh Rear Door, Solid Side Panels, Keyed Lock	
M6 Rails	
Mesh Top Panel	EC42U75100SPDSMNK
6-Fan Top Panel	EC42U75100SPDS6NK
42U x 60-cm W x 100-cm D	
Mesh Front and Rear Doors, Solid Side Panels, Keyed Lock	
M6 Rails	
Mesh Top Panel	EC42U60100SMMSMNK
Mesh Front Door, Split Mesh Rear Door, Solid Side Panels, Keyed Lock	
M6 Rails	
Mesh Top Panel	EC42U60100SMDSMNK

Item	Code
Elite Cabinets (Continued)	
38U x 75-cm W x 80-cm D	
PLEXIGLAS Front Door, Mesh Rear Door, Solid Side Panels, Keyed Lock	
M6 Rails	
Mesh Top Panel	EC38U7580SPMSMNK
Single-Fan Top Panel	EC38U7580SPMS1NK
3-Fan Top Panel	EC38U7580SPMS3NK
6-Fan Top Panel	EC38U7580SPMS6NK
PLEXIGLAS Front Door, Solid Rear Door, Solid Side Panels, Keyed Lock	
M6 Rails	
6-Fan Top Panel	EC38U7580SPSS6NK
PLEXIGLAS Front Door, Split Mesh Rear Door, Solid Side Panels, Keyed Lock	
M6 Rails	
Mesh Top Panel	EC38U7580SPDSMNK
Single-Fan Top Panel	EC38U7580SPDS1NK
3-Fan Top Panel	EC38U7580SPDS3NK
6-Fan Top Panel	EC38U7580SPDS6NK
24U x 60-cm W x 100-cm D, M6 Rails	
Mesh Front and Rear Doors, Solid Side Panels, Mesh Top Panel, Keyed Lock	EC24U60100SMMSMNK
Mesh Front Door, Split Mesh Rear Door, Solid Side Panels, Mesh Top Panel, Keyed Lock	EC24U60100SMDSMNK
PLEXIGLAS Front Door, Mesh Rear Door, Solid Side Panels	
Mesh Top Panel, Keyed Lock	EC24U60100SPMSMNK
PLEXIGLAS Front Door, Split Mesh Rear Door, Solid Side Panels	
Mesh Top Panel, Keyed Lock	EC24U60100SPDSMNK
No Doors or Sides, Mesh Top Panel	EC24U60100SNNNMNN
24U x 75-cm W x 80-cm D, M6 Rails	
PLEXIGLAS Front Door, Mesh Rear Door, Solid Side Panels, Keyed Lock	
Mesh Top Panel	EC24U7580SPMSMNK
Solid Top Panel	EC24U7580SPMSSNK
Single-Fan Top Panel	EC24U7580SPMS1NK
3-Fan Top Panel	EC24U7580SPMS3NK
6-Fan Top Panel	EC24U7580SPMS6NK
PLEXIGLAS Front Door, Split Mesh Rear Door, Solid Side Panels, Keyed Lock	
Mesh Top Panel	EC24U7580SPDSMNK
Solid Top Panel	EC24U7580SPDSSNK
Single-Fan Top Panel	EC24U7580SPDS1NK
3-Fan Top Panel	EC24U7580SPDS3NK
6-Fan Top Panel	EC24U7580SPDS6NK
PLEXIGLAS Front Door, Solid Rear Door, Solid Side Panels, Keyed Lock	
6-Fan Top Panel	EC24U7580SPSS6NK

Don't see what you need here?
See pp. 6–7 to configure your own Elite Cabinet.

Don’t see exactly what you want? We’ll build it for you in two days or less.

If one of our pre-configured cabinets doesn’t work for you, it’s easy to build your own Elite™ Cabinet to your specifications. Just use the codes (right) to fill in the line on page 7, bottom, matching colors as you go. When you’re done, just call us at 030-2417777 with the number, and we’ll have your custom-built cabinets on your doorstep in a flash.

The example below is a 42U x 75-cm W x 100-cm D cabinet with M6 rails, a mesh front door, a split mesh rear door, solid side panels, a mesh top, anti-tip legs, and keyed locks. Need help? Call our fast, FREE Tech Support at 030-2417799.

Example:

E	C	4	2	U	7	5	1	00	S	M	D	S	M	Y	K

Step 1:
Choose your enclosure.

24U x 60-cm W x 100-cm D

E	C	2	4	U	6	0	1	00

24U x 75-cm W x 80-cm D

E	C	2	4	U	7	5	8	0

38U x 75-cm W x 80-cm D

E	C	3	8	U	7	5	8	0

42U x 60-cm W x 100-cm D

E	C	4	2	U	6	0	1	00

42U x 75-cm W x 100-cm D

E	C	4	2	U	7	5	1	00

45U x 60-cm W x 90-cm D

E	C	4	5	U	6	0	9	0

45U x 60-cm W x 100-cm D

E	C	4	5	U	6	0	1	00

45U x 75-cm W x 80-cm D

E	C	4	5	U	7	5	8	0

45U x 75-cm W x 90-cm D

E	C	4	5	U	7	5	9	0

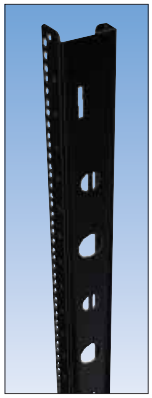
45U x 75-cm W x 100-cm D

E	C	4	5	U	7	5	1	00

45U x 75-cm W x 120-cm D

E	C	4	5	U	7	5	1	20

Step 2: Confirm rail type.



S — M6 rails with square holes

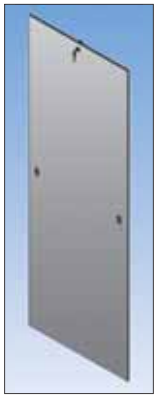
Step 3: Choose your front doors.

N — None
S — Solid
M — Mesh
D — Split Mesh
P — Plexi
F — Split Fan Door

Step 4: Choose your rear doors.

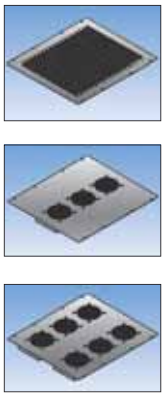
N — None
S — Solid
M — Mesh
D — Split Mesh
P — Plexi
F — Split Fan Door

Step 5: Choose your side panels.



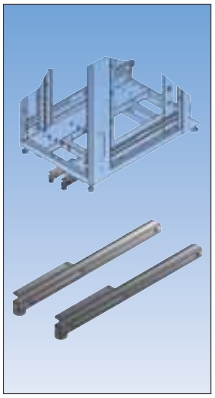
N — None
S — Solid
M — Mesh (Vented)

Step 6: Choose your cabinet top.



N — None
S — Solid
M — Mesh
1 — 1-Fan Unit (25-cm) 930-m³/h
2 — 2-Fan Unit (25-cm) 1860-m³/h
3 — 3-Fan Unit (10-cm) 380-m³/h
6 — 6-Fan Unit (10-cm) 760-m³/h

Step 7: Decide on anti-tip legs.



Y — Yes
N — No

Step 8: Choose your lock*

N — None
K — Keyed
C — Combination

Fill in the blocks below to get your ideal cabinet's SKU. For help configuring your cabinet, call our FREE Tech Support at 030-2417799.

* Doors have either a keyed or a combination lock. Choose "None" when there is no door.

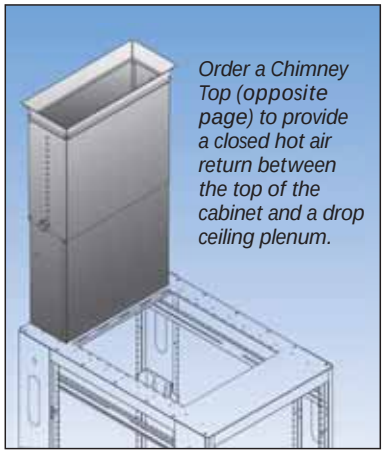
Accessorize!

Add accessories to add function.

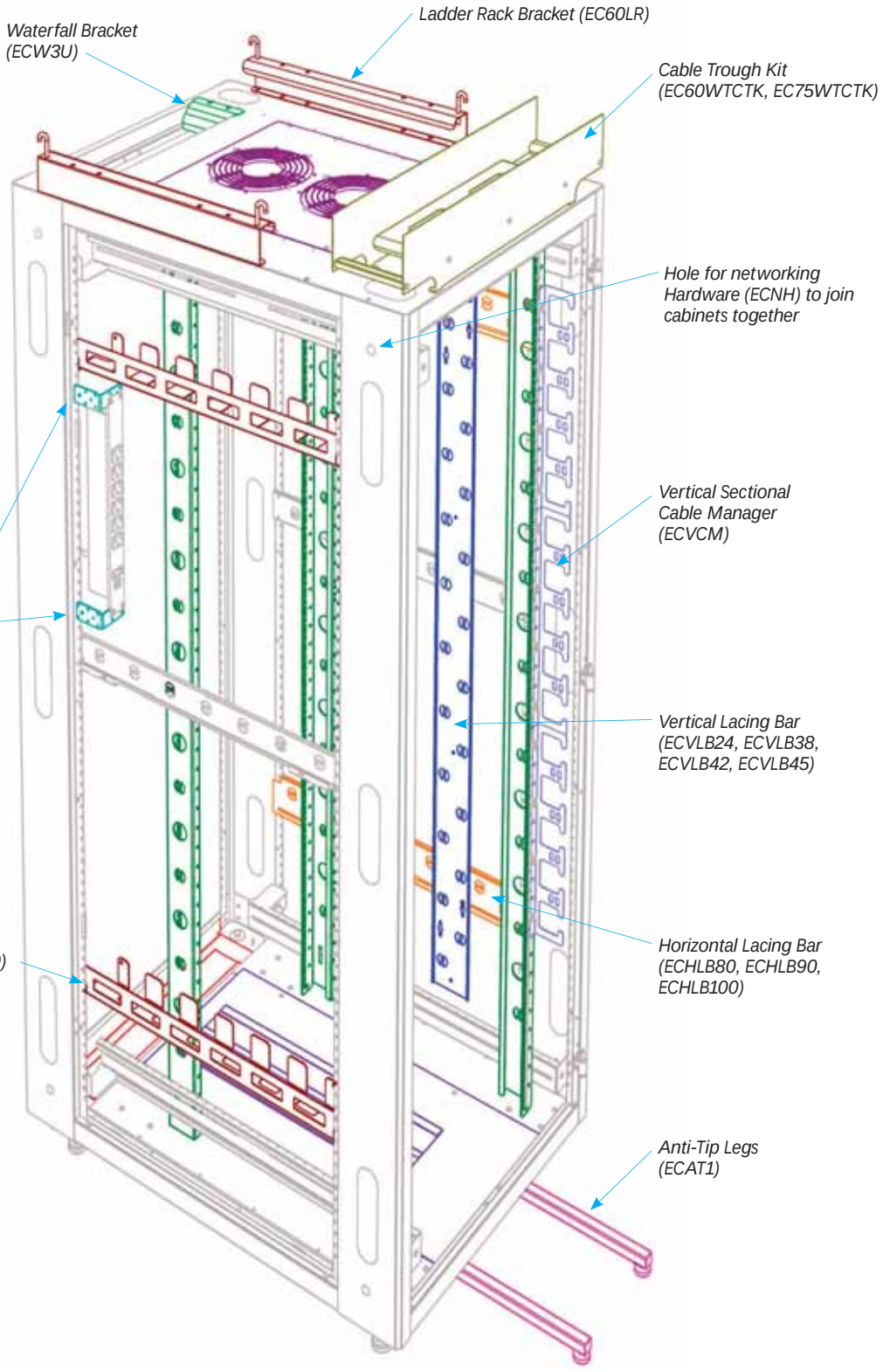
After you select the right cabinet configuration, it's time to accessorize your cabinet with cable management, keyboard trays, and all the parts that make your Elite™ Cabinet perfect for your application.

Change your cabinet configuration.

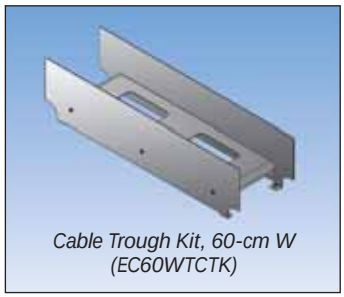
If you already own an Elite Cabinet, it's easy to change top panels and other parts when your requirements change—parts such as top panels can be changed in a just few minutes with basic tools.

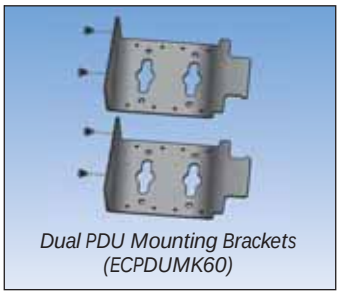


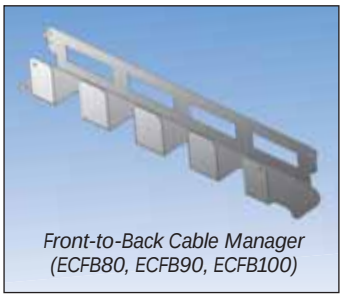
Order a Chimney Top (opposite page) to provide a closed hot air return between the top of the cabinet and a drop ceiling plenum.

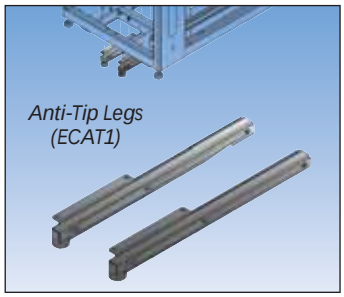

Waterfall Bracket (ECW3U)
Ladder Rack Bracket (EC60LR)
Cable Trough Kit (EC60WTCTK, EC75WTCTK)
Hole for networking Hardware (ECNH) to join cabinets together
Vertical Sectional Cable Manager (ECVCM)
Vertical PDU 19" Mounting Kit (ECPDUMK)
Vertical Lacing Bar (ECVLB24, ECVLB38, ECVLB42, ECVLB45)
Front-to-Back Cable Manager (ECFB80, ECFB90, ECFB100)
Horizontal Lacing Bar (ECHLB80, ECHLB90, ECHLB100)
Anti-Tip Legs (ECAT1)

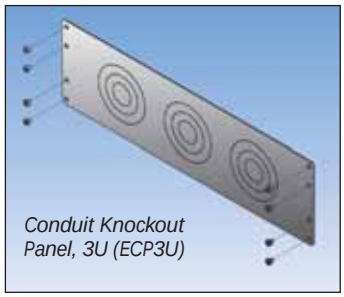
Ladder Rack Bracket, 60-cm W (EC60LR)

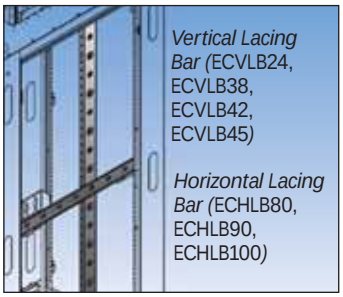

Cable Trough Kit, 60-cm W (EC60WTCTK)


Dual PDU Mounting Brackets (ECPDUMK60)

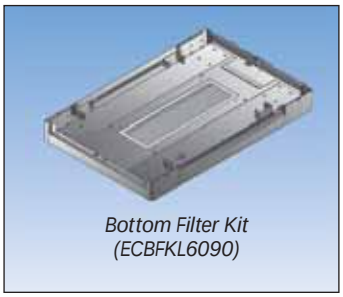

Front-to-Back Cable Manager (ECFB80, ECFB90, ECFB100)


Anti-Tip Legs (ECAT1)


Conduit Knockout Panel, 3U (ECP3U)


*Vertical Lacing Bar (*ECVLB24, ECVLB38, ECVLB42, ECVLB45)

*Horizontal Lacing Bar (*ECHLB80, ECHLB90, ECHLB100)


Bottom Filter Kit (ECBFKL6090)

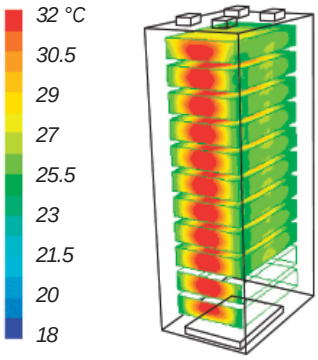
Item	Code
Elite Cabinet Accessories	
Horizontal Cable Management	
Front-to-Back Cable Managers	
for 75-cm W x 80-cm D Cabinets	ECFB80
for 75-cm W x 90-cm D Cabinets	ECFB90
for 75-cm W x 100-cm D & 120D Cabinets	ECFB100
Horizontal Lacing Bars	
for 75-cm W x 80-cm D Cabinets	ECHLB80
for 75-cm W x 90-cm D Cabinets	ECHLB90
for 75-cm W x 100-cm & 120-cm D Cabinets	ECHLB100
Vertical Cable Management	
Vertical Lacing Bars	
for 24U Cabinets	ECVLB24
for 38U Cabinets	ECVLB38
for 42U Cabinets	ECVLB42
for 45U Cabinets	ECVLB45
Sectional Cable Manager, 48.9-cm Segment*	ECVCM
*Order (2) for a 24U cabinet, (3) for a 38U or 42U cabinet, or (4) for an 45U cabinet.	
Extra Pairs of M6 Rails	
for 24U Cabinets	EC24M6
for 38U Cabinets	EC38M6
for 42U Cabinets	EC42M6
for 45U Cabinets	EC45M6
23" Mounting Kits for 75-cm W Cabinets	
for 75-cm W x 80-cm D Cabinets	EC23MK80
for 75-cm W x 90-cm D Cabinets	EC23MK90
for 75-cm W x 100-cm D Cabinets	EC23MK100
Top Panels	
Perforated	ECTOPP
Solid	ECTOPS
(3) 10-cm Fan (380-m^3/h)	ECTOPF
(6) 10-cm Fan (760-m^3/h)	ECTOP2F
Single 25-cm Fan (930-m^3/h)	ECTOPF10
Dual 25-cm Fan (1860-m^3/h)	ECTOP2F10

Item	Code
Elite Cabinet Accessories (Continued)	
Chimney Top	
Chimney for Small Top Opening Plus Solid Top for Large Opening	ECTOPCHIM
Fan Tray for ECTOPCHIM (1000-m^3/h)	ECTOPCHIMFT
Solid Bottom Panels	
for 60-cm W x 90-cm D Cabinets	ECBSKL6090
for 60-cm W x 100-cm D Cabinets	ECBSKL60100
for 75-cm W x 80-cm D Cabinets	ECBSKL7580
for 75-cm W x 90-cm D Cabinets	ECBSKL7590
for 75-cm W x 100-cm & 120-cm D Cabinets	ECBSKL75100
Solid Rear Bottom Panels	
for 60-cm W Cabinets	ECBSKS60
for 75-cm W Cabinets	ECBSKS75
Bottom Filter Kits	
for 60-cm W x 90-cm D Cabinets	ECBFKL6090
for 60-cm W x 100-cm D Cabinets	ECBFKL60100
for 75-cm W x 80-cm D Cabinets	ECBFKL7580
for 75-cm W x 90-cm D Cabinets	ECBFKL7590
for 75-cm W x 100-cm & 120-cm D Cabinets	ECBFKL75100
Bottom Brush Grommet Kits	
for 60-cm W x 90-cm D Cabinets	ECBGKL6090
for 60-cm W x 100-cm D Cabinets	ECBGKL60100
for 75-cm W x 80-cm D Cabinets	ECBGKL7580
for 75-cm W x 90-cm D Cabinets	ECBGKL7590
for 75-cm W x 100-cm D & 120-cm D Cabinets	ECBGKL75100
Bottom Rear Brush Grommet Kits	
for 60-cm W Cabinets	ECBBGKS60
for 75-cm W Cabinets	ECBBGKS75
Cable Trough Kits	
60-cm Wide	EC60WTCTK
72-cm Wide	EC75WTCTK
Conduit Knockout Panel (with Circular Knockouts for 3U Opening)	ECP3U
Brush Grommet Kit for 3U Opening	ECBGK3U
Waterfall Brackets for 3U Top Opening	ECW3U
Ladder Rack Bracket, 60-cm W	EC24LR
Light Kit	ECLK
Vertical PDU 19" Mounting Kit, 0U	ECPDUMK
Anti-Tip Legs	ECAT1
Networking Hardware/Baying Kit	ECNH
Dual PDU Mounting Brackets, 1 Pair*	
for 60-cm W Cabinets	ECPDUMK60
for 75-cm W Cabinets	ECPDUMK75

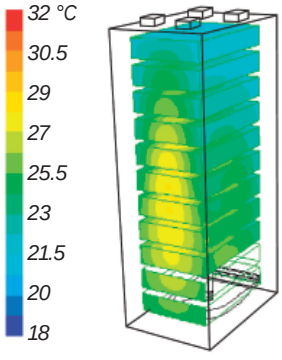
* A pair of Dual PDU Mounting Brackets is included with the Elite Cabinet base frame.

Enclosure Blower

Maximum ventilation for your cabinets.



Before Enclosure Blower



After Enclosure Blower

- Cools cabinets by improving air circulation.
- Draws cool air from the bottom of the cabinet and delivers it right across the front of servers or other network components.
- Air distribution cools cabinet hot spots by up to 9 °C, extending server life and minimizing downtime.
- Fits on standard 19" rails (2U height).
- Installs easily on bottom of any EIA-30 compliant cabinet.
- Designed for quiet, long-life operation.
- The optional Filter Assembly removes up to 80% of 2-µm particles from circulating air.
- ✦✦ WARRANTY — 1 Year

TECH SPECS

Fan Capacity — 390 m^3/h
Power — 230 VAC, 50/60 Hz , 90 watts
Size — 10.9 H x 46.7 W x 72.3 D cm plus 2-m power cord with IEC C14
Weight — 6.4 kg

Item	Code
Enclosure Blower	RM801-EU
You may also need…	
Enclosure Blower Filter Assembly	RM802
Enclosure Blower Replacement Filters (12)	RM803

NOTE: Works with any EIA-30 compliant cabinet from any manufacturer.

Tool-less Telescoping Shelves

- Support up to 68 kilograms.
- For use on standard 19" rails with square M6 holes.
- Easy installation — no tools required.
- Two sizes to accommodate most cabinet depths.
- Cable slots and pre-punched D-ring holes.
- Vented for air circulation.
- ✦✦ WARRANTY — Lifetime

Item	Code
Tool-less Telescoping Shelves	
60–90 cm Deep	RM047
90–120 cm Deep	RM049

Heavy-Duty Sliding Server Shelf

- Weight capacity of 56 kg.
- Measures 44.5 cm wide and 56 or 66 cm deep.
- Provides easy access to the back of your servers and other equipment.
- Mounts on 19" rails.
- ✦✦ WARRANTY — Lifetime

Item	Code
Heavy-Duty Sliding Server Shelf, 56-cm Deep	RM411-56D
66-cm Deep	RM411-66D
76-cm Deep	RMT411

Tool-less Filler Panels

RM1031

- Fasten easily and quickly with quarter-turn fastener.
- Mount easily to 19" rails with M6 holes.
- ✦✦ WARRANTY — Lifetime

Item			Code
Filler Panels			
Black	1U	(4.45 cm)	RM1031
	2U	(8.9 cm)	RM1032
	3U	(13.3 cm)	RM1033
	4U	(17.8 cm)	RM1034
	5U	(22.2 cm)	RM1035

Fixed Vented Server Shelves

- The 56.5-cm deep model has a 90-kg weight capacity.
- The 69.2-cm and 76.2-cm deep models have a 68-kg weight capacity.
- Measure 44.5 cm wide.
- Mount in a four-point pattern on 19" rails.
- ✦✦ WARRANTY — Lifetime

RM399

Item	Code
Fixed Vented Server Shelves	
56.5-cm D, 90-kg Capacity	RM399
69.2-cm D, 68-kg Capacity	RM403
76.2-cm D, 68-kg Capacity	RM410

ServShield

Protect your equipment from dust, dirt, and moisture.

- Weight capacity of 270 kilograms.
- 90-cm depth accommodates larger PCs and servers.
- Fully welded construction; made of 1.3-mm steel.
- Gasketed doors and a filtered air-intake system provide the best resistance to circulating dust and dripping water.

The vented, fixed monitor shelf holds 45 kilograms.

Isolated, steel locking drawer holds a keyboard up to 47-cm wide.

Side panels are removable.

Vented door features an air filter to protect against dust.

Size — 182.8 H x 76,2 W x 91.4 D

Three rear fans generate a cool 380 m³/h to keep your hardware healthy. Filters keep the air clean.

- Water-resistant gaskets and compression latches provide superior protection.
- Unique air-filtering system draws air through the front door filters and expels it through the rear.
- Bottom door features a separate key to keep hardware safe.
- Each compartment features two pairs of adjustable 19" rails with square M6 holes.
- Rear door features twin compression latches for a strong, water-resistant seal.
- Features cable access holes on the top and bottom.
- ✦✦ **WARRANTY** — Lifetime

Item	Code
ServShield	RM470A-R2
You may also need…	
19" W Rackmount, Sliding, Adjustable Tower Shelf with Fins, 56-cm D	RM471
66-cm D	RM400
Replacement Filters	
Rear Fan (Order One per Fan)	RM475
Front Door	RM476

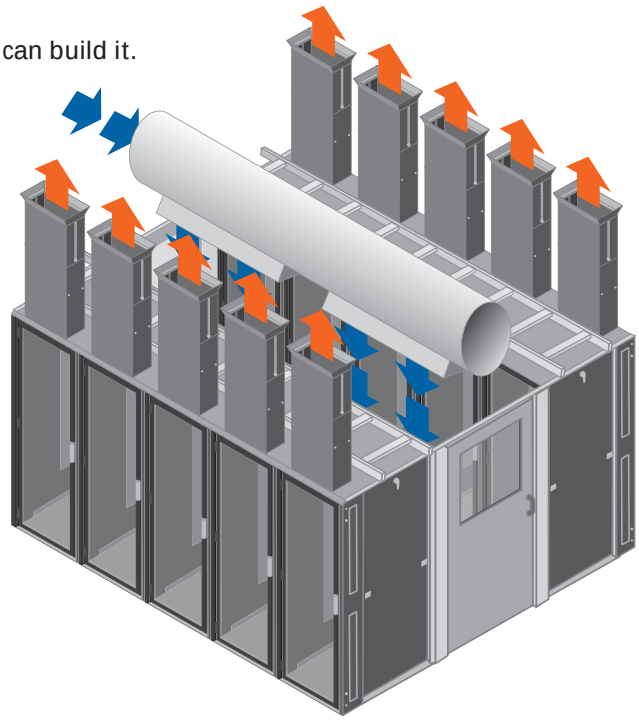
Black Box Custom Solutions

Don't see what you need? Chances are we can build it.

Whether you manage a small-office network or a large data center, you know it can be difficult to pin down an enclosure that:

- Fits your space.
- Holds components compactly and securely.
- Leaves room for expansion.
- Provides adequate cooling.
- Has room for power distribution.
- Manages cable neatly.
- Makes components easy to access.
- Locks when you need it to.

You can count on Black Box to engineer a cabinet solution to match your space and application. Black Box engineers have been designing data centers for more than 25 years—let us use our experience to help you build yours.



Typical hot aisle/cold aisle configuration with hot air vent to the plenum via a Chimney Top (ECTOPCHIM). Also shown is the Containment Door (EC45U48WCD).

Now you have selected the right cabinet, you might need

CAT6 Feed-Through Patch Panels

- Models are available with 24 or 48 shielded or unshielded connectors.
- Height: 1U (24-Ports) or 2U (48-Ports).
- ✦✦ **WARRANTY** — Lifetime

Item	Code
CAT6 Feed-Through Patch Panel	
Unshielded	
24-Port, 1U	JPM818A
48-Port, 2U	JPM820A
Shielded	
24-Port, 1U	JPM814A
48-Port, 2U	JPM816A

CAT6 STP Patch Panel

- 24 shielded Ports for 19” mounting in 1U .
- F110-type IDC terminations for connections with 22-26-AWG cable.
- ✦✦ **WARRANTY** — Lifetime

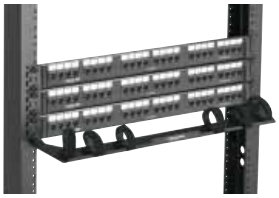
Item	Code
CAT6 STP Patch Panel	
24-Port, 1U	JPS60A-24
You might also need...	
Punchdown Tool with 110 Blade and Light-Pack	FT025A

Power Distribution, PVC

- Convenient and unobtrusive solution to distribute power in a rack or cabinet.
- Horizontal or vertical mounting.
- 6 or 9 socket versions.
- ✦✦ **WARRANTY** — 1 year

Item	Code
Power Distribution, PVC	
6-Port, width 440mm	RMEPS1011-D
9-Port, width 440mm	RMEPS1002-D

Zero U Cable Manager



- Requires no rack space.
- It installs in minutes: no need to move panels! And you can use existing equipment screws.
- ✦✦ **WARRANTY** — Lifetime

Item	Code
Zero U Cable manager	
1-Pack	JPM500A-R2

Cable Management Panel

- Five sturdy steel rings for cable routing.
- Black enameled steel for long life and durability .
- ✦✦ **WARRANTY** — Lifetime

Item	Code
Cable Management Panels	
1U with 33 x 98 mm rings	37803-R2
2U with 76 x 76 mm rings	37804-R2

Lan Solution Network Tester

- Checks for maps, opens, shorts, miswires.
- Reports network speed and location.
- Reports current of analogue phone lines.
- ✦✦ **WARRANTY** — 1 year

Item	Code
Power Distribution, PVC	
6-Port, width 440mm	RMEPS1011-D
9-Port, width 440mm	RMEPS1002-D

Data Services

For new installations, upgrades to your existing systems or maintenance, call Black Box for the best Data Services.

Our over 30-years experience with wired or wireless network infrastructure is unrivalled! Call 030-241 77 44 for more information.

some equipment!

Gigabit-Switches with SFP-Uplinks and SNMP-management

- Offer 8, 16, 24 or 48 Gigabit Copper Ports.
- 2, 4 or 16 SFP Slots to add fibre ports of your choice.
- 10/100/1000 Ports, autosensing, autonegociation, Auto-MDI/MDI-X.
- Full SNMP management.
- ✦✦ WARRANTY — 1 Year

Item	Code
SNMP Gigabit Switches with Dual SFP Uplink	
(8) 10/100/1000BASE-TX + (2) shared SFP-slots	LGB1001A-R2
(12) 10/100/1000BASE-TX + (4) shared SFP-slots	LGB1002A-R2
(20) 10/100/1000BASE-TX + (4) shared SFP-slots	LGB1003A-R2
(44) 10/100/1000BASE-TX + (4) shared SFP-slots	LGB1048A
(8) 10/100/1000BASE-TX + (24) shared SFP-slots	LGB1005A-R2

Multipower Miniature Media Converters

- New Single-Strand and Gigabit Modules.
- Up to 18 converters in one chassis.
- Absolute flexibility in a 1.5 U height!
- Features an internal AC power supply.
- Designed for extended temperature operation.
- ✦✦ WARRANTY — 6 Years

Item		Code
Multipower Miniature Media Converters		
10/100/1000-Mbps Copper to 1000-Mbps Duplex Fiber		
Multimode, 850-nm	220 m	LGC120A
Single-Mode, 1310-nm	10 km	LGC121A
	40 km	LGC122A
	70 km	LGC124A
1000-Mbps Copper to 1000-Mbps Duplex Fiber		
Multimode, 850-nm	220 m	LGC110A
Single-Mode, 1310-nm	10 km	LGC111A
	40 km	LGC112A
Single-Mode, 1550-nm	70 km	LGC113A
To rackmount multiple Miniature Media Converters:		
PowerTray 18-slot	with AC Power	LHC018A-AC-R2
	with DC Power	LHC018A-DC-R3

Extreme Networks - Summit Value Series

- Intelligent Layer 2 switching for simple enterprise edge solutions.
- ExtremeXOS™ operating system.
- ExtremeXOS scripting capability to automate switch configuration.
- 10/100BASE-TX with and without PoE standalone switches.
- ✦✦ WARRANTY — 1 Year

Dual 10/100/1000 Secure Console Servers

- Secure acces to RS-232 serial console ports accross your Ethernet network.
- Dual Gigabit Ethernet ports provide the security of redundant links.
- Choose optional dual power inputs for redundant power.
- Feature a powerfull 400-MHz, 750-MIPS, 32-bit processor.
- Built-in surge protection on all interfaces.
- ✦✦ WARRANTY — 1 Year

Item	Code
Dual 10/100/1000 Secure Console servers	
8-Port RS232/V.24	LES8084E
16-Port RS232/V.24	LES8164E
32-Port RS232/V.24	LES8324E

Centralized control of your servers.

ServSwitch CX

- High-end multi-platform KVM switching over CATx with remote access.
- Reset one or more host system power switches via the switch’s power control port.
- For both USB and PS/2 servers.
- ✦✦ WARRANTY — 2 Years

Item	Code
ServSwitch CX Uno (1) local + (1) CATx user	
8 servers	KV0081A
16 servers	KV0161A
ServSwitch CX (1) local + (4) CATx users	
16 servers	KV0416A-R2
24 servers	KV0424A-R2
ServSwitch CX Server Access Modules	
PS/2	KV1400A
USB	KV1401A

See our website for Server Acces Modules with audio and for Sun: www.blackbox.nl.

ServSwitch CX IP

- Connect one local user, one IP user and up to two remote users – simultaneously.
- Cascade switches to control up to 128 servers.
- Connect PS/2 or USB keyboards and mice.
- ✦✦ WARRANTY — 2 Years

Item	Code
ServSwitch CX Uno IP (1) local + (1) IP user	
8 servers	KV1081A
16 servers	KV1161A
ServSwitch CX Quad IP (1) local + (4) IP user	
16 servers	KV4161A
ServSwitch CX IP (1) local + (1) IP + (2) CATx users	
16 servers	KV1416A-R2
24 servers	KV1424A-R2

See our website for Server Acces Modules and extra accessories: www.blackbox.nl.

ServView 17

- 17”-Multi-Sync KVM Tray in 1U with VGA LCD.
- Minimum mounting depth 400mm.
- Multiple international keyboard sets available.
- ✦✦ WARRANTY — 1 year

Item	Code
ServView 17 with QWERTY keyboard	KVT127E-US
ServView 17 with QWERTY keyboard and VGA-PS/2 Switch	
8-Ports	KVT127E-US-8-P
16-Ports	KVT127E-US-16-P
ServView 17 with QWERTY keyboard and VGA-USB Switch	
8-Ports	KVT127E-US-8-MP
16-Ports	KVT127E-US-16-MP

See our website for the DVI-USB models.

ServSwitch Wizard Extender

- Transmits KVM signals up to 200m over CAT5 cable.
- 19” 2U chassis for 16 extenders.
- Extender for Single, Dual or Quad Video.
- Available in PS/2 or USB 1.1.
- Integrated Skew compensation.
- ✦✦ WARRANTY — 1 Year

Item	Code
ServSwitch Wizard VGA PS/2 Extenderkit-300 m	
(1) VGA, serial	ACU5114A
(1) VGA, serial, audio	ACU5116A
(2) VGA, serial	ACU5122A
(2) VGA, serial, audio	ACU5142A
Rackmount chassis for ServSwitch KVM Extender up to 16 units	
PS/2	ACU5000A

See our website for more product variaties.

CATx DVI-D KVM Extender

- Extend high resolution DVI video plus USB up to 125 meters away from your PC.
- Resolutions up to 1920 x 1200 with DCC.
- Options for single/dual & quad video and USB 2.0 peripherals.
- Suitable for both copper and fiber cabling.
- ✦✦ WARRANTY — 2 Years

Item	Code
CATx DVI-D USB Extenderkits	
(1) DVI, serial, audio	ACS4001A-R2
(2) DVI, serial, audio	ACS4201A-R2
Rackmount chassis	ACS2209A-RMK

See our website for more product variaties.

ServView Full HD

- 19” KVM tray with 17” display, keyboard and touchpad.
- Native 1920 x 1200 resolution supports 50Hz modes.
- Picture-in-Picture display mode.
- Full HDCP support.
- ✦✦ WARRANTY — 1 year

Item	Code
ServView Full HD	
with USB keyboard/mouse	KVT1920-US-U
with PS/2 keyboard/mouse	KVT1920-US

Guard your IT equipment.

ServPower XP

- Ensure trouble-free power for your servers and networking equipment.
- Models available from 700VA to 6kVA.
- True online, double conversion operation.
- Advanced Battery Management.
- ✦✦ **WARRANTY** — 1 Year

Item	Code
ServPower XP. 19” rackmountable	
700VA	PUE301R
1kVA	PUE302R
1,5kVA	PUE303R
2kVA	PUE304R
3kVA	PUE305R
6kVA	PUE306R
You might also need...	
SNMP management Module	PUE301C

ServSensor V4E

- AlertWerks II — Real-time extensive environment plus video monitoring and alerting system.
- Supports up to 8 plug-and-play sensors.
- 4 video inputs for surveillance cameras.
- Various ways of alarm alerts incl. e-mail, SNMP & text messages.
- Monitor up to 600 intelligent sensors using the expansion modules.
- ✦✦ **WARRANTY** — 1 Year

Item		Code
ServSensor V4E		EME134A
Expension unit	8 sensors	EME1X8
Expension unit	16 dry contacts	EME1DC16
19” rackmount chassis for (1) ServSensor V4E and up to 6 sensors		EMESDIN
19” rackmount chassis for (1) ServSensor V4E and (1) expension unit		EMEDRMK
Sensors		Call Tech Support

Secure Power Switch

- Secure IP power control with SSL encryption.
- 8 devices per unit, max 136 devices in a system.
- Dual input, twin output control for redundant PSUs.
- Ping and port scan-based auto-reboot.
- Warnings by email.
- ✦✦ **WARRANTY** — 1 Year

Item	Code
Secure Power Switch, Master, 8-ports	PSE518MA-EU
Secure Power Switch, Satellite, 8-ports	PSE518SA-EU
You might also need...	
Remote Temperature/Humidity sensor	PSE518-TH
Remote Temperature/Light sensor	PSE518-TL
I/O Extension Board	PSE518-IO

GPS Network Time Server

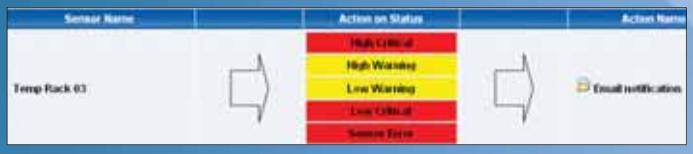
- Keep the time of network devices accurate.
- Supports NTP client/server and NTP broadcasts.
- Three models, tabletop, rack and DIN rail.
- DIN Rail and Rack Model with outdoor antenna.
- ✦✦ **WARRANTY** — 1 Year

Item	Code
GPS Network Time Server	
19” rackmountable	LEG9095AE

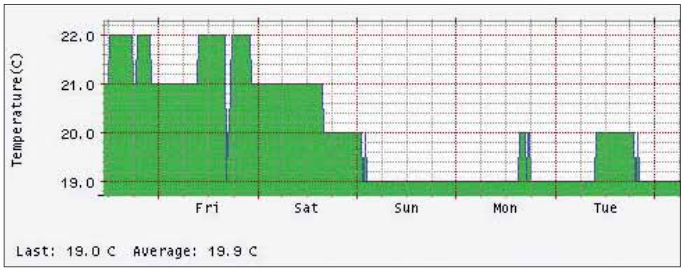
Guard mission-critical IT equipment against physical threats with AlertWerks.

Complete environmental monitoring over any IP network.

- » High or low temperatures
- » Water / humidity
- » Motion detection
- » Smoke detection
- » Fire
- » Security
- » Airflow
- » AC voltage



Alerting



Data Collecting and Graphing

Buyer's Guide | Environmental Monitoring Systems

	ServSensor Jr.	ServSensor	ServSensor Contact	ServSensor V4E	ServSensor V4-20P
Number of external sensors	2	8	8	8	8
Dry-contact inputs	No	No	20 (up to 100)	No	20 (up to 100)
Video surveillance	No	No	No	Up to four cameras	
Alarming	E-mail, SNMP	E-mail, SNMP	E-mail, SNMP	Sound, voice, fax, e-mail SNMP, SMS, MMS*	
Advanced alarm options	No	No	No	Yes	
Data graphing	Basic	Basic	Basic	Advanced	
Data export and remote collection	Yes	Yes	Yes	Yes	
Encrypted access	No	No	No	Web (HTTPS), SNMPv3	
Code	EME102A	EME108A	EME111A-20	EME134A	EME129A-20

Best seller: Order the EME103A Kit, which includes a temperature sensor and a ServSensor Jr.

** External e-mail to SMS or SNMP to SMS gateway required. Via Skype™ or external GSM/GPRS modem.*

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DMP065

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